



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002335682 A**(43) Date of publication of application: **22.11.02**

(51) Int. Cl. **H02M 9/04**
G01R 31/00

(21) Application number: **2001140290**(22) Date of filing: **10.05.01**

(71) Applicant: **TECH RES & DEV INST OF JAPAN**
DEF AGENCY FUJI ELECTRIC
CORP RES & DEV LTD

(72) Inventor: **IGUCHI YOSHIO**
SHIKURA TATSUYUKI
SAKUMA MASAKI

(54) **STEEP WAVE VOLTAGE GENERATOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a steep wave voltage generator by which a steep wave voltage having a stable waveform can be obtained.

SOLUTION: This steep wave voltage generator comprises an impulse generating circuit 2, which is composed of charging capacitors CG charged by DC voltages and spark gaps 3 connected in series to the charging capacitors CG, and a peaking circuit 5, which is composed of a wave front regulating capacitor CP for charging charge fed from the impulse generating circuit 2 and a discharge gap 6 connected in series to the wave front regulating capacitor CP. A discharge resistor RC is connected between the impulse generating circuit 2 and the discharge gap 6.

COPYRIGHT: (C)2003,JPO

